

CLAIMS

1. A method in which Entity A (i.e. MVNO ASP) develops an agreement with at least one Mobile Network Operator (MNO) enabling Entity A to use the MNO network to provide a virtual network offering, which it offers to Entity B (i.e. MVNO, service provider). Entity B offers mobile service to its users under an Entity B name, based on Entity A's virtual network and does not have an allocation of spectrum in the areas it offers Entity A's virtual network.
2. A method according to claim 1 and further comprising, in which Entity A uses at least one of the MNO services which are integrated to Entity A's virtual network offering.
3. A method according to claim 1 and further comprising, in which Entity A develops an agreement with at least one wireline operator enabling Entity A to use part of the wireline operator's network and services, and integrate it into Entity A's virtual network offering.
4. A method according to claim 1 and further comprising, in which Entity A develops an agreement with at least one cable operator enabling Entity A to use part of the cable operator's network and services, and integrate it into Entity A's virtual network offering.
5. A method according to claim 1 and further comprising, in which Entity A develops an agreement with at least one satellite operator enabling Entity A to use part of the satellite operator's network and services, and integrate it into Entity A's virtual network offering.
6. A method according to claim 1 and further comprising, in which Entity A develops an agreement with at least one communication aggregator network enabling Entity A to use part of the communication aggregator's network and services, and integrate it into Entity A's virtual network offering.

7. A method according to claim 1 and further comprising, in which Entity B integrates Entity A's virtual network with other networks and services Entity B offers.
8. A method according to claim 1 and further comprising, in which Entity B markets services under an Entity B name to their users and potential users based on a system provided by Entity A.
9. A method according to claim 1 and further comprising, in which Entity B markets services under an Entity B name to their users and potential users based on a service provided by Entity A.
10. A method according to claim 1 and further comprising, in which Entity B develops services based on Entity A infrastructure, and are hosted by Entity A, and markets these services under an Entity B name to their users and potential users.
11. A method according to claim 1 and further comprising, in which Entity B has no carrier ID on the MNO network, Entity B users use Entity A's carrier ID, and Entity A is responsible for identifying the user as an Entity B user.
12. A method according to claim 11 and further comprising, in which Entity A is responsible for identifying the Mobile Virtual Network Operator (MVNO) carrier based on MVNO user information.
13. A method according to claim 1 and further comprising, in which Entity A operates an HLR, which includes Entity B users' information.
14. A method according to claim 1 and further comprising, in which Entity A operates an MSC.
15. A method according to claim 1 and further comprising, in which Entity A operates a

prepaid solution, which Entity B prepaid users' use.

16. A method according to claim 15 and further comprising, in which Entity A prepaid solution, interacts with MNO systems in order to monitor and control the call based on the prepaid solution rules and prepaid account money reserves.
17. A method according to claim 1 and further comprising, in which Entity A operates an authentication mechanism and is responsible for authenticating Entity B users.
18. A method according to claim 17 and further comprising, in which the authentication mechanism is an AAA server.
19. A method according to claim 18 and further comprising, in which the AAA server communicates with Entity B AAA server in order to authenticate Entity B users.
20. A method according to claim 1 and further comprising, in which Entity A operates an authorization mechanism and is responsible for authorizing Entity B users to access the network and services.
21. A method according to claim 20 and further comprising, in which the user authorization data is cached for future authorization requests.
22. A method according to claim 20 and further comprising, in which the authorization mechanism is an AAA server.
23. A method according to claim 21 and further comprising, in which the AAA server communicates with Entity B AAA server in order to authorize Entity B users.
24. A method according to claim 1 and further comprising, in which Entity A provides Entity B's users with a bill on behalf of Entity B and under an Entity B name.

25. A method according to claim 1 and further comprising, in which Entity A provides Entity B's users with customer care services on behalf of Entity B.
26. A method according to claim 1 and further comprising, in which Entity A aggregates content, and enables Entity B to resell content services based on Entity A aggregated content to Entity B users under an Entity B name.
27. A method according to claim 1 and further comprising, in which Entity A operates and manages applications which were developed by Entity B and third party entities.
28. A method according to claim 1 and further comprising, in which Entity A prices its services based on the content and not based on the transport of data over the network.
29. A method in which Entity C is an aggregator of MVNOs; Entity C MVNOs do not have a MNO carrier ID and are defined via software; Entity C is responsible for defining new MVNOs, including the definition of the applications and services which each MVNO will include; Entity C MVNO user is identified as an Entity C user, and Entity C is responsible for identifying the user as an Entity C MVNO user;
30. A method in which Entity A (i.e. MVNO ASP) develops agreements with at least one MNO enabling Entity A to use the MNO network to provide a virtual network offering, which it offers to Entity C (i.e. Multi MVNO Aggregator). Entity C is an aggregator of MVNOs; Entity C MVNOs do not have a MNO carrier ID and are defined via software; each MVNO offers mobile service to its users, based on Entity A's virtual network and does not have an allocation of spectrum in the areas it offers Entity A's virtual network; Entity C does not have an allocation of spectrum in the areas it offers Entity A's virtual network.
31. A method according to claim 30 and further comprising, in which Entity A virtual network offering, includes other communication operators networks and services.

32. A method according to claim 30 and further comprising, in which Entity A operates an HLR, which includes Entity C MVNO users' information.
33. A method according to claim 30 and further comprising, in which an Entity C MVNO users are identified as an Entity A user, and Entity A is responsible for identifying the user as a Entity C MVNO user.
34. A method according to claim 30 and further comprising, in which Entity A operates an authentication mechanism and is responsible for authenticating Entity C MVNO users.
35. A method according to claim 34 and further comprising, in which the authentication mechanism is an AAA server.
36. A method according to claim 35 and further comprising, in which the AAA server communicates with Entity C AAA server in order to authenticate Entity C MVNO users.
37. A method according to claim 30 and further comprising, in which Entity A operates an authorization mechanism and is responsible for authorizing Entity C MVNO users to access the network and services.
38. A method according to claim 37 and further comprising, in which the user authorization data is cached for future authorization requests.
39. A method according to claim 37 and further comprising, in which the authorization mechanism is an AAA server.
40. A method according to claim 39 and further comprising, in which the AAA server communicates with Entity C AAA server in order to authorize Entity C MVNO users.

41. A method according to claim 30 and further comprising, in which Entity A provides Entity C's MVNO users with a bill on behalf of the MVNO, and under the MVNO name.
42. A method according to claim 30 and further comprising, in which Entity A provides Entity C's MVNO users with customer care services on behalf of the MVNO.
43. A method according to claim 30 and further comprising, in which Entity A aggregates content, and enables Entity C to resell content services based on Entity A aggregated content to Entity C MVNO customers under Entity C MVNO brand name.
44. A method according to claim 30 and further comprising, in which Entity A operates a prepaid solution, which Entity C MVNO prepaid users' use.
45. A method according to claim 44 and further comprising, in which Entity A prepaid solution, interacts with MNO systems in order to monitor and control the call based on the prepaid solution rules and prepaid account money reserves.
46. A hosted system providing a Mobile Virtual Network Operator (MVNO) the ability to offer mobile service to its users over a virtual wireless network, which is based on at least one Mobile Network Operator (MNO) network. The system can host more than one MVNO, each MVNO has its own partitioned part of the system, comprising: a software component for managing and configuring services, a component which interacts with MNO network, a software mediation engine which handles the service and application communication between the software and application management system and the software and hardware components which interact with the MNO network.
47. A system according to claim 46 and further comprising, in which the system interacts with at least one of the MNO systems.

48. A system according to claim 46 and further comprising, in which the system interacts with other external networks and services, and provide a platform for defining and managing services which operate across the various types of networks which are part of the Virtual Network Operator (VNO) offering.
49. A system according to claim 46 and further comprising, in which the system includes an application platform, which hosts applications which are used by MVNO users.
50. A system according to claim 46 and further comprising, in which the system includes a software system for development of services. These services are capable to operate across the virtual network, the system provides notes if there are any limitations for the service operations across parts of the virtual network.
51. A system according to claim 50 and further comprising, in which the system provides suggestions for service configuration and service development, in order to improve service operations, based on the limitation notes.
52. A system according to claim 46 and further comprising, in which the system stores pre-arrangements of use of the network, between the various MNOs, the system operator (i.e. MVNO ASP), and the various MVNOs.
53. A system according to claim 46 and further comprising, in which the system handles the settlement fees between the various network operators, the system operator and the various MVNOs.
54. A system according to claim 46 and further comprising, in which each MVNO has no access to other entity's data, unless the system operator (i.e. MVNO ASP) makes such provision.
55. A system according to claim 46 and further comprising, in which the system provides a MVNO interface, which enables each MVNO to configure and edit their own

services and data and define their users' policies and permissioning.

56. A system according to claim 46 and further comprising, in which the system provides a MVNO End User interface, which enables MVNOs' users to register to services, define their preferences and edit their selections and profile.
57. A system according to claim 46 and further comprising, in which the system includes a table, which maps each MVNO End User to the MVNO it uses.
58. A system according to claim 57 and further comprising, in which the unique key of the table is the mobile user ID.
59. A system according to claim 46 and further comprising, in which the system provides a Multi MVNO Aggregator interface, which enables the system operator to associate services and applications to each MVNO, to register to services, define their preferences and edit their selections and profile.
60. A system according to claim 46 and further comprising, in which MVNOs are added to a group, which is managed by an authorized user.
61. A system providing an Entity C to manage at least two software MVNOs, where each MVNO has its own name, and the system enables Entity C (i.e. Multi MVNO Aggregator) to define and manage each MVNO, and its services and its users, comprising: a software component for managing services, a software component for defining and managing a MVNO; a software component for managing the customers of each MVNO; a software component for managing user policies and permissioning; a table, which maps each MVNO End User to the MVNO it belongs to.
62. A system according to claim 61 and further comprising, in which the system interacts with other external networks and services.

63. A system according to claim 61 and further comprising, in which the system provides an MVNO End User interface, which enables MVNOs' users to register to services, define their preferences and edit their selections and profile.
64. A system according to claim 61 and further comprising, in which the system includes a table, which maps each MVNO End User to the MVNO it uses.
65. A system according to claim 61 and further comprising, in which the unique key of the table, which maps each MVNO End User to the MVNO it belongs to, is the mobile user ID.